

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-30. (Cancelled)

31. (Previously presented) A data storage device, comprising:

a rotating disc assembly comprising a disc surface;

a write transducer in operable transducing relationship to the disc surface;

a plurality of adjacent data tracks on the disc surface;

a first region comprising a subset of the adjacent data tracks disposed at a track-to-track spacing such that the write transducer at least partially overlaps a track with an adjacent track;

a second region comprising a subset of the adjacent data tracks, wherein the second region does not contain any of the adjacent data tracks of the first region;
and

a guard band separating the first region and the second region.

32. (Previously presented) The data storage device of claim 31 further comprising data written to a first track of the first region and data written to a second track adjacent to the first track, wherein the write transducer is moved in a first radial direction between the first and second tracks such that the data written to the first track is encroached only on one side by the data written to the second track.

33. (Previously presented) The data storage device of claim 32 further comprising data written to a last track of the first region, wherein one or more intermediate tracks are interposed between the second track and the last track, the write member moving only in the first radial direction in traversing the intermediate tracks such that all data written to each intermediate track is encroached only on one side by data subsequently written to the respective adjacent track.

Claim 34 (Cancelled)

35. (Previously presented) The data storage device of claim 31 further comprising a sequential data stored on tracks in the first region.

Claims 36-41 (Cancelled)

42. (Previously presented) The data storage device of claim 31 wherein the guard band further comprises a track which is located between the first region and second region.

43. (Previously presented) The data storage device of claim 31 wherein the guard band comprises a track in one of the regions.

44. (Previously presented) The data storage device of claim 31 wherein the guard band comprises the last track of the first region.

45. (New) A data storage device comprising a rotatable storage medium on which at least a first region and a second region are defined, wherein the first region comprises a plurality of adjacent and radially overlapping data tracks, wherein the second region comprises a plurality of adjacent data tracks, and wherein a guard band separates the first region and the second region.

46. (New) The data storage device of claim 45 further comprising a moveable transducer adjacent the storage medium configured to write first user data to a first track of the first region and to write second user data to a second track adjacent the first track, wherein the transducer is moved in a first radial direction between the first and second tracks such that the data written to the first track is encroached only on one side by the data written to the second track.

47. (New) The data storage device of claim 46, wherein the transducer comprises separate write and read elements, and wherein said movement of the transducer in the first radial direction is established so that, after the writing of the second track, the first track has a width selected in relation to an effective radial width of the read element.

48. (New) The data storage device of claim 45, wherein the plurality of adjacent and radially overlapping data tracks of the second region are further characterized as comprising overlapping tracks.

49. (New) The data storage device of claim 45, wherein sequential data are stored on said plurality of adjacent, overlapping tracks of the first region.

50. (New) The data storage device of claim 45, wherein the guard band comprises a track which is located between the first region and second region.

51. (Previously presented) The data storage device of claim 45, wherein the guard band comprises the last track of the first region.